

VERSION SHOWING AMENDMENT TO THE CLAIMS

This listing replaces all prior listings of the claims.

IN THE CLAIMS

Amend the claims as follows:

1 (Currently amended). A circuit board arrangement or substrate for an organic electronic device, comprising:

a circuit board having a surface on which a plurality of electrically interconnected electrical devices are disposed substrate;

at least one of the electrical devices comprises an active organic electronic component electrically integrated on the substrate surface with others of the interconnected devices to form at least a portion of an electrical circuit.[:]] the organic electronic component having at least one electrode layer;

the at least one electrode layer of the integrated active organic electronic component forming a conductive track layer on the surface of a base plate for an conventional inorganic semiconductor electrical component.

2 (Currently amended). A circuit board arrangement or substrate for an electronic device comprising:

a circuit board defining a surface substrate; and

at least one active organic electrical component and at least one passive organic electrical component electrically interconnected and integrated to form at least a portion

of an electrical circuit on the surface substrate.

3 (Currently amended). The circuit board arrangement or substrate as claimed in claim 2, wherein the at least one active electrical component is one of an organic transistor, an organic diode, an organic photocell, an organic integrated circuit and/or the passive organic component is one of an electrically conducting connection, a resistor, a coil and/or a capacitor.

4 (Currently amended). The circuit board arrangement or substrate as claimed in one of the preceding claims including a power supply integrated with the electrical circuit on the substrate surface.

5 (Currently amended). The circuit board arrangement or substrate as claimed in any of claims 1 to 3 wherein an electrical input element and/or an electrical output element is electrically integrated with the circuit on the substrate surface.

6 (Currently amended). The circuit board or substrate arrangement as claimed in any of claims 1 to 3 wherein electrically conductive lines or conducting contacts are on the surface produced using structured conductive layers, electrodes such as source and drain electrodes and/or conductive adhesives and which may form electrodes for the electrical components.

7 (Currently amended). The circuit board or substrate arrangement as claimed in any of claims 1 to 3 wherein a an inexpensive visualization element and/or a display is electrically integrated on the surface substrate with the circuit.

8 (Currently amended). The circuit board or substrate arrangement as claimed in claim 7 wherein the display comprises electrochromic material, liquid crystalline elements and/or organic light-emitting diodes.

9 (Currently amended). The circuit board or substrate arrangement as claimed in claim 7 wherein a driver circuit associated with the display is electrically integrated on the surface substrate with the circuit.

10 (Currently amended). The circuit board or substrate arrangement of claim 9 wherein the a driver circuit electronics is included and comprises at least one organic field-effect transistor.

11 (Currently amended). The use of the circuit board or substrate arrangement as claimed in one of claims 1 to 3 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

12 (Currently amended). The circuit board or substrate arrangement as claimed in claim 8 wherein a driver circuit associated with the display is electrically integrated on the surface with the display substrate.

13 (Currently amended). The circuit board or substrate arrangement of claim 8 wherein a driver electronics is included and comprises at least one organic field-effect transistor coupled to the circuit.

14 (Currently amended). The circuit board or substrate arrangement of any one of claims 1 or 2 – 9 wherein a driver electronics is included and comprises at least one organic field-effect transistor coupled to the circuit.

15 (Currently amended). The use of the circuit board or substrate arrangement as claimed in claim 4 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

16 (Currently amended). The use of the circuit board or substrate arrangement as claimed in claim 5 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

17 (Currently amended). The use of the circuit board or substrate arrangement as

claimed in claim 6 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

18 (Currently amended). The use of the circuit board or substrate arrangement as claimed in claim 7 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

19 (Currently amended). The use of the circuit board or substrate arrangement as claimed in claim 8 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

20 (Currently amended). The use of the circuit board or substrate arrangement as claimed in claim 9 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.

21 (Currently amended). The use of the circuit board or substrate arrangement as claimed in claim 10 for an electronic device including any of a sensor label, an advertising ticket, a price marker, a game, a check card and an RFID tag.